

Title (en)
METHOD AND PLANT FOR EXPLOITATION OF THE ENERGY OF A WATER CURRENT

Title (de)
VERFAHREN UND ANLAGE ZUR NUTZUNG DER ENERGIE EINES WASSERSTROMS

Title (fr)
PROCÉDÉ ET INSTALLATION POUR L'EXPLOITATION DE L'ÉNERGIE D'UN COURANT D'EAU

Publication
EP 3253964 A1 20171213 (EN)

Application
EP 16746895 A 20160202

Priority
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Abstract (en)
[origin: WO2016126166A1] A method for exploiting the energy of a water current by means of an energy plant (1) which is placed in the water current (16) is described, the energy plant (1) including at least one rope (2, 4) extending around at least two turning stations (8, 10), and carrying at least one at least partially submerged foil (12) which is approximately symmetrical around its chord (42), and the velocity and direction (Vc) of flow of the water together with the moving speed and direction (Vs) of the foil giving a resulting water velocity and direction (Vr1, Vr2) acting on the foil (12), the method including: - pivoting the foil (12) until it has a desired angle of attack (a) to the resulting water direction (Vr1) when the foil is being displaced co-currently; and - pivoting the foil (12) until it has a desired angle of attack (a) to the resulting water direction (Vr2) when the foil (12) is being displaced counter-currently, the angle of attack being the same or different co-currently and counter-currently. An energy plant (1) for use in practising the method is described as well.

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